

Currently Available Modules

If you require a software package that is not currently available on the Oscar cluster, please [contact ICERM's IT staff](#) and we will work with CCV to get the software installed.

This list is current as of May 6, 2025. Please scroll across the code snippet to see the full list. For the most up-to-date list of software modules, log into your Oscar account and run the command
`module avail`.

Note: D is the default module.

```
abacus-container/2021-akaeexs          filezilla/3.49.1-
epfjuus                                mafft/7.505-iuicuv          git/2023-04-04-
grwuvvgg
    abacus/2017-q4ghhm5                  flashpca/2.0-
zr2wflq                                magma-usyd/V2.28-8-p3zylpg   qmcpack-
mpi/3.16.0s-qp2hymx
    abacus/2021.1-i675dvw                freebayes/1.3.6-
v7rppcd                                magma/2.7.1-cpueyjj          qscintilla/2.11.6-
dq7zlcq
    abacus/2024-h5273a3                  (D)    freeglut/3.2.2-
76qqoqn                                maple/22-cp2uld4             qt/5.15.9-fb7mjex
    abacus/2024-ir-a4m5ld5                freesurfer/7.3.2-
zop5n6m                                mark/2018.07.08-43snzfu      qualimap/2.2.1-
mybpdoi
    abacus/2024-mbessa-ceayfuos            freesurfer/8.0.0-jotmypd
(D)    materialstudio/2024s-gbc3dg6        quantum-espresso-mpi/7.1-gits-v4bxgtv
    abacus/2024.1-7pcdqhp                  fsl/6.0.7.7s-
bul4mby                                mathematica/13.2.0-n4i6yua    quantum-
espresso-mpi/7.1s-ia43pjk
    admixture/1.3.0-onwaqrp                  fv/5.5.2-
g2ibb5x                                matlab/R2019a-rjyk3ws         quantum-
espresso-mpi/7.3s-kydgjwo              (D)
    afni/23.3.07s-zm43m3u                  fzf/0.45.0-
pdwl7a4                                matlab/R2023a-xd6f7ph         (D)    r/4.0.0-
p7gxu4e
    afni/24.2.01s-kstpoqt                  (D)    gatk/4.3.0.0-
234wqft                                matlab/R2024b-ipaztju         r/4.0.3-pvf2znb
```

anaconda/2023.09-0-7nso27y	gaussian/09_v1-	
u6klkps	maven/3.8.4-w3zgh4v	r/4.1.0-bfjsvw5
angsd/0.935-cbhuwc7	gaussian/09-D01_v2-	
tw73726	mercurial/5.8-vly6btb	r/4.2.2-z6qdiis
ant/1.10.13-alpqj4j	gaussian/09-D01-TEST_v3-	
vv6ar67	mesa/22.1.6-yi2tztm	r/4.3.1-lmofgb4
ants/2.4.3-75npyop	gaussian/16-C01-bb2r2gh	
(D) meson/1.6.0-eipcwzq	r/4.4.0-yyccstsj	
aria2/1.36.0-lsb7zcs	gaussview/v05-	
mkdyw6j	metis/5.1.0-7qoahod	r/4.4.2-
re5rjx3	(D)	
arm-forge/22.1.3-zq7lvdq	gcc/6.5.0-	
lwshmx	miniconda3/23.11.0s-odstpk5	raisd/2.9-
svyic22		
armadillo/12.2.0-4clpczv	gcc/10.1.0-	
mojgbnb	miniforge/23.11.0-0s-hwmjdtj	rclone/1.62.2-
o4lkrv6		
atom/1.19.3-ty5sdsn	gcc/13.1.0-nvrtbp3	
(D) minimap2/2.14-33hmvx2	readline/6.3-rnqps2	
autoconf/2.69-p4rpdx2	gcm/2.4.1-	
lfqoarh	molden/6.7-isryqwj	readline/8.2-
5xbuyjt	(D)	
autoconf/2.71-opdgqng	(D) gdal/3.7.0-	
4p4onmf	molden/7.3-kytvh3m	(D) root/6.28.04-
u7t5ax7		
avogadro2/1.99.0-5zl5qaw	gdal/3.10.3-4vc4f76	
(D) molpro-mpi/2023.2.0s-vyfv74n	rsem/1.3.3-5obucw6	
awscli/1.27.84-v22kngs	geeqie/2.4-	
6vdnc4v	molpro-mpi/2024.3.1-mpipr-hwakoux	(D)
rstudio/2023.09.1-lsqy746		
bamtools/2.5.2-ki3mdef	geos/3.11.2-	
a6hfu6a	mpc/1.3.1-zbino7j	ruby/3.1.0-
gnoxsfm		
basilisk/2023.11.11s-x4isdvp	ghostscript/10.0.0-	
3atesdh	mpfr/4.2.0-n2tkxso	rust/1.73.0-647r2tw
bazel/6.1.1-vvtxktr	gimp/2.10.32-	
tlknk2n	mriconvert/2.1.0-oaq24fz	rust/1.81.0-
3qqoayc	(D)	
bbmap/39.01-jnnkpwk	git-lfs/3.3.0-	
laphnvj	microgl/2022.07.20-n3b7whc	sage-

container/10.3-avpqipf		
bcftools/1.13-76jesdj	git/2.44.0-	
6f7n7ni	mricron/201909-3s2phrj	sage/9.5-
drpqjkh		
bcftools/1.16-ewu6fpe	(D) glew/2.2.0-	
plawm2j	msmc2/2.1.4-cuac55f	sage/10.3-
nntihfr	(D)	
bcl2fastq2/2.20.0.422-z3wh636	glm/0.9.9.8-	
m3s6sze	multiwfn/3.8_1208-qn65pif	salmon/1.9.0-
itdua6n		
beagle/5.4-e43mqsa	glpk/5.0-	
zifs7bb	mummer4/4.0.0rc1-4llgadq	
salmon/1.10.1-43ljn7g	(D)	
bedops/2.4.40-bjb2v2n	gmap-gsnap/2024-08-20-	
dur7jyc	muscle/3.8.1551-pys2b76	samtools/1.12-4v4uiz6
bedtools2/2.31.0-lsohc7s	gmp/6.2.1-	
qlaig4m	mysql/8.0.29-w7xdbde	
samtools/1.16.1-txuglks	(D)	
bismark/0.23.0-eoksupu	gnuplot/5.4.3-	
pdiiquy	nanoflann/1.4.3-u2l24dv	sas/9.4m8-f2f3xdp
blast-legacy/2.2.26-tcdku3a	go/1.17.1-	
f4mqosa	nbo/7.0-phausw3	schmutzi-
container/1.5.7-vsorpcq		
blast-plus/2.2.30-cyxldrt	go/1.20.3-	
xknmcqd	nccl/2.16.2-1-gjmprw5	schmutzi-
container/1.5.7-3imwf7h	(D)	
blat/37-ebfj5e6	go/1.23.3-d3wvs6z	
(D) ncdv/1.18.1-uofylp6	schrodinger/2023-4-h3kvbn3	
blender/4.4.0-446jdgdt	google-cloud-cli/456.0.0-	
3mtj4z6	nco/5.1.5-36hru5t	schrodinger/2024-1-yqi27-
m4qqm46	(D)	
boost/1.80.0-harukoy	gperf/3.1-	
56q4xf5	ncview/2.1.8-nxepxtw	scons/4.5.2-
housgyw		
bowtie/1.3.1-2kd7din	grace/5.1.25-	
duvo7rn	neovim/0.9.4-67stov2	seqkit/0.10.1-
qtiftw4		
bowtie2/2.4.2-xdquyzq	graphviz/8.0.1-	
75znavc	neovim/0.10.4-7b4mer5	(D) seqtk/1.3-kbdjwob
bowtie2/2.5.3-qgsc2u	(D) gsl/2.7.1-	

khmyfcy	netcdf-c/4.9.2-cfggqwi	
shapeit4/4.2.2-3us45un		
brotli/1.0.9-h22dril	guppy/6.0.1-	
wpaqayj	netcdf-c/4.9.2-4ozokng	(D) singular/4.4.0-
aeloppr		
bwa/0.7.17-lu4b4dj	guppy/6.1.2-wwwvdfu	
(D) netcdf-cxx4/4.3.1-6gcdg5s	skewer/0.2.2-nwhklgr	
bxh-xcede-tools-container/1.11.14-4sphv7n	gurobi/10.0.1-	
q7rc5dw	netcdf-fortran/4.6.0-kl27oji	slicer/5.4.0-
rb2kk4l		
cadence/IC06.18-calibre2022.2-ascb7dw	hdf5/1.12.2-	
s6aacp3	netcdf/4.9.2-ar77jpt	slim/4.0.1-
kymgtmu		
cadence/IC06.18.090-6famfci	hdf5/1.14.1-2-rdd6y6v	
(D) netlib-lapack/3.11.0-jdzmstx	slim/4.3-u22vcwu	(D)
cadence/IC23.10.000-ppql2n	(D) hisat2/2.2.1-	
gn4pb3l	netlogo/6.4.0-psm765m	spdlog/1.11.0-
qbi24my		
casa/6.6.0-20-py3.8-el7-dqvn5lw	homer/4.11.1-	
fpjs4l4	netpbm/10.73.43-m2jdopk	splash/2.1.4-
unrsfpj		
cdhit/4.8.1-bqmf4jf	hpcx-mpi/4.1.5rc2-mts-	
ukpby4i	ngc-jax/23.10-paxml-py3-zipbcif	spm/8-77b5myx
cellranger/arc-2.0.1-uamrhhu	hpcx-mpi/4.1.5rc2s-yflad4v	
(D) ngc-pytorch/24.03-py3-a6ptiby	spm/12_r7606-prcq7fg	(D)
cellranger/atac-2.0.0-m2tfcpk	htop/3.2.2-	
kqsjlaj	ngc-tensorflow/24.03-tf2-py3-lmnuwwg	
sratoolkit/3.0.0-u4jvgps		
cellranger/6.0.0-dbzt7r	(D) htlib/1.12-	
ecidzx4	ninja/1.11.1-k2aq3rl	stacks/2.65-
geg4r7a		
cfitsio/4.2.0-5grfqtu	htlib/1.17-zxc2k	
(D) nlopt/2.7.1-fwj27pk	star/2.7.10b-fj6kao2	
cgal/5.4.1-64mikh1	idba/1.1.3-	
nrxiqtw	nnn/4.9-r7kawsv	stata/mp17-
v7a7uoo		
chrome/119.0.6045.159s-avadhvk	idemp/201706-	
a45gc3d	node-js/18.12.1-qkps4za	stata/mp18-
3wq5b4o	(D)	
cli11/2.3.2-pcucv7l	idl/8.9s-	

jocgnbh	nvhpc/23.3-xa4nyqi	stow/2.4.0-
y2q7tsn		
clustal-omega/1.2.4-mbj3dq5	igraph/0.7.1-	
wbiepb3	nvhpc/23.7-alnzdzw	stringtie/2.2.1-
7uti3ny		
cmake/3.6.1-il7bkvj	imagej/154-linux64-java8-	
jd6sflr	nvhpc/25.1-scv2ac	(D) sublime-text/4.4143-im3loi3
cmake/3.26.3-xi6h36u	(D)	imagemagick/7.1.1-3-
ex4k4u2	nvtop/3.0.1-7r22pjl	subread/2.0.2-5agghnd
cnvnator/0.4.1-w3bkqjf	inkscape/1.3s-	
gshcpwc	octopus-lunter/0.7.4-kkqrfv3	swig/4.1.1-
bq46cxl		
code-server/4.20.0-tcrmrcl	intel-oneapi-compilers/2023.1.0-	
a7fw7qt	ollama/0.3.14s-a3gonhs	synopsys/2023.12-df4a3ab
code-server/4.97.2-33bvsj5	(D)	intel-oneapi-mkl/2023.1.0-
xbcd2g3	ollama/0.5.12s-mjarasi	(D) synopsys/2024.09-
q3jwzot	(D)	
colordiff/1.0.21-ifskyqr	intltool/0.51.0-	
vanhjsr	openbabel/3.1.1-nay2mkb	tabix/2013-12-16-
d6qvxp7		
comsol/5.2-ufifhtv	iq-tree/2.1.3-	
gu64b4j	openblas/0.3.23-u6k5fey	tcl/8.6.12-
dziqp2l		
comsol/5.6_yqi27-jnspqto	iq-tree/2.3.6-fn5vscb	
(D) opencv/4.6.0s-5z4piup	tcsh/6.24.10-dtqo5ky	
comsol/6.3_yqi27-7yf67lt	(D)	iraf/2.17.1s-
2r7ypc5	openexr/3.1.5-6fapou6	tecplot/2022r1-
q5cg2zq		
conn/22a-nztrdv3	itk-snap-container/4.0.2-	
bychj73	openjdk/11.0.17_8-nw5ylv	tesseract/4.1.1-l2ejycz
connectome-workbench/1.5.0-t66riq	jags/4.3.1-	
4mvaxc3	openjdk/17.0.5_8-pq2e7ao	(D)
tesseract/5.3.3-vq3altr	(D)	
cppunit/1.14.0-h3hsjgu	jellyfish/2.2.7-	
dywzm7z	openjpeg/2.5.0-iyu5vwb	texlive/20220321-
pocclv		
crossrate-container/2016-27ofi4r	jo/1.9-	
ki7xc2u	openmpi/4.1.2-s5wtoqb	
texstudio/3.0.1-64vx064		
cuda/10.1.243-bxisbai	json-fortran/8.3.0-	

ehkzpjv	openmpi/4.1.4s-smqniuf	tk/8.6.11-uqpqlly
cuda/10.2.89-xnfjmr	jsoncpp/1.9.5-	
vhsa2iy	openmpi/4.1.5-kzuexje	tmux/3.3a-zyhjvvh
cuda/11.8.0-lpttyok	julia/1.9.3s-	
i3zndt3	openmpi/5.0.1s-6ti4ij7	tmux/3.5a-
kcjtgnd	(D)	
cuda/12.1.1-ebglvvq	julia/1.11.1s-kueea5s	
(D) openmpi/5.0.2s-mfj2kfp	(D) tn93/1.0.12-tcvbyl4	
cuda/12.2.0-4lgnkrh	kraken/1.1.1-	
e6r2aej	openslide/3.4.1-pzjb2kl	tree/2.1.0-
7tlhzo7		
cuda/12.3.0-r72aozf	lemon/1.3.1-	
jh3h4xt	openssl/1.1.1t-u2rkdft	trimal/1.4.1-
ace7du2		
cuda/12.4.0-piq32fy	(D) leptonica/1.81.0-	
pebiyok	or-tools/9.10-k4nov4d	trimgalore/0.6.6-
iwfrq4c		
cudnn/7.5.1.10-10.1-hv4e2lt	leveldb/1.23-	
f76iwfr	ovito/3.6.0-rile7ax	
trimgalore/0.6.9-hisz5xp	(D)	
cudnn/8.7.0.84-11.8-lg2dpd5	lftp/4.9.2-	
vimt4vf	p7zip/17.05-3xtimiz	
trimmomatic/0.39-w5jnhai		
cudnn/8.9.6.50-12-56zgdoa	libarchive/3.6.2-	
mnc5shn	pandoc/2.19.2-wawlx5m	udunits/2.2.28-
rycabdx		
cudnn/9.8.0.87-12-j5i4iki	(D) libbeef/Nov2020-	
xhrdwg5	pangolin/0.6-vwij3iv	usearch/11.0.667-
wx6utmj		
cufflinks/2.2.1-ogzw3z5	libdeflate/1.10-	
5yi7m3g	parallel/20220522-5ah2i5h	v8/3.14.5-aompxje
cutensor/1.5.0.3-gqkzath	libgd/2.2.4-	
2iyhgxa	paraview/5.9.0s-dgv24kr	vasp-mpi/5.4.4-
mdh3hpy		
datamash/1.8-ib4aakp	libgd/2.3.3-ubu4k2f	
(D) patchelf/0.17.2-aqmx4qb	vasp-mpi/5.4.4-wannier-cqhzfma	
dcm2niix/1.0.20220720-nwsidfo	libgeotiff/1.6.0-	
voueb6b	paup/4.0a168-cwt24ux	vasp-
mpi/6.3.2_avandewa-chn3w3j		
diamond/2.0.15-h7xx24l	libgit2/1.6.4-	

a432pgi	pcr2/10.42-xks64jg	vasp-
mpi/6.4.2_cfgoldsm_vtst-cff5qmk		
dicombrowser/20181217s-ikvqhyr	libiconv/1.17-	
jwjcds2	pdftk/2.02-gu7lpeg	vasp-
mpi/6.4.2_cfgoldsm-7krhcss		
dlib/19.22-lxah7rq	libjpeg-turbo/2.1.5-	
sewtk5u	pdsh-chaos/23.12-t6ywlrp	vasp-
mpi/6.4.3_cfgoldsm-5dioee2		
dmtcp/3.0.0-xvfukfp	libjpeg/9e-	
6djp5nd	perl-dbi/1.643-t74vmeb	vasp-
mpi/6.4.3_yqi27-wannier-livyes6		
dorado/0.8.2-s42dhri	libnsl/1.3.0-	
calriiy	perl/5.26.2-o4iq4b4	vasp-
mpi/6.4.3_yqi27-6uzdgwn	(D)	
dos2unix/7.4.2-5a6dlgt	libnsl/2.0.1-ed2i5hn	
(D) perl/5.36.0-bt34quz	(D) vcftools/0.1.14-syssqsi	
dotnet/8.0.100-5lr7bga	libpng/1.2.57s-	
lve65hz	perl/5.37.9-og4osvm	vim/9.1.0867-
wl3haj7		
dropest/0.8.6-ewwx5ik	libpng/1.5.30-	
ru3zswz	perl/5.40.0-o7hxc12	virtualgl/3.1-
yphbrfj		
ds/9.8.5s-zpqg2jy	libpng/1.6.39-ryxiwrd	
(D) picard/2.26.2-qabtyqy	visit-container/3.3.3-qz3dni6	
dsl-studio/chen-2023-sif-lytwlk2	libreoffice/7.2.2.sif-	
drpjygp	pigz/2.7-zgdlry3	visit-mpi/3.3.3s-lz2dp7m
dtitk/2.3.1s-bp7yqjh	libsdl/2.30.7-	
4rxs72s	plink/1.9-beta6.27-nvy4vrX	vmd/1.9.3-oin2dnj
eigen/3.4.0-uyccckhi	libsodium/1.0.20-	
4o75gk3	plink/2.00-b6x44xw	(D) vscode/1.84.2-
4tfimgp		
eigensoft/7.2.1-6ctbhoz	libtiff/4.5.0-	
g6fga7e	popoolation2/1.205s-luyjn2b	vscode/1.97.2-
txhgk3l	(D)	
emacs/28.2-rwds2pd	libtree/3.1.1-	
yxst452	postgresql/16.4-vzmexkn	wcstools/3.9.7-
lo4forb		
expat/2.5.0-zujcztp	libvips/8.13.3-	
ex4pfpq	prodigal/2.6.3-vbq7usx	wxwidgets/3.2.2.1-
mk5eiyq		

fastme/2.1.5.1-kmg5til	libwnck/3.24.1-	
4gvyjhg	proj/9.2.0-ni5rcfb	xcrysden/1.5.60-
nuxe46i		
fastp/0.23.4-xmfbk37	libx11/1.8.4-	
qdzkebe	protobuf/3.22.2-6hlkkut	xerces-c/3.3.0-
djupwmt		
fastq-screen/0.15.3-7ymgrux	libxc/4.3.4-	
uy5ogwb	py-ase/3.21.0-pyuljod	xeyes/1.2.0-
nge56yb		
fastqc/0.11.9-mvd2uhw	libxc/5.2.3-ncc5ir4	
(D) py-matplotlib/3.7.1-4afsjsz	xgboost/1.6.2-fp3ii65	
fastqc/0.12.1-sk2rb3a	(D) libyaml/0.2.5-	
wdpye7g	py-statsmodels/0.13.2-sbdhj4k	yaml-cpp/0.7.0-
6nno2ru		
fasttree/2.1.11-o5kvig7	libzip/1.3.2-	
qwqikw6	py-sympy/1.11.1-gqgr7wu	zlib/1.2.13-
jv5y5e7		
fastx-toolkit/0.0.14-zhaxiyn	liggghts/3.8.0s-	
rqph5mk	pycharm-community/2021.3.3-weqrclly	zoxide/0.9.2-
ydhigq6		
ferret/7.6.0-i6u5m7q	linaro-forge/23.1.2-	
pk2lobu	pypy/7.3.13-6a5ma5j	zstd/1.5.5-zokfqsc
ffmpeg/6.0-fy677gn	llvm/16.0.2-	
mq6g5lb	python/3.9.16s-x3wdttvt	
ffmpeg/7.0-xny2fb2	(D) lmod/8.7.24-	
w2akdkb	python/3.11.0s-ixrhc3q	(D)
fiji/20231107-1617-espdc7g	macaulay2-container/1.2-	
vupc5gy	qgis/3.28.3-5axmqsj	

Revision #8

Created 10 November 2021 19:46:51

Updated 6 May 2025 16:44:42 by Hanna Cheung